

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0554	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0554 Walnut Grove	U	1.13						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.65		0.65	57.74%				
Trim / Thin Trees		0.04	0.16	14.21%				
Encroachments					0.01	0.01		
Erosion / Bank Caving		0.02	0.08	7.11%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.10		0.10	8.88%				
DWR UCIP Field Study					0.14	0.06		
<i>LMA Totals:</i>	0.75	0.06	0.99	87.94%	0.15	0.07	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 Levee Inspection Results

Reclamation District No. 0554 Walnut Grove

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0554 Walnut Grove

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	1.13
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/29/2015 - 04/29/2015		09/24/2015 - 09/24/2015	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By			Gilbert Labrie	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	3		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				o		o
					o		o
DWR ID	DWR_RD0554_01_f_2014_3						
Action/Comments							
Inspector Comments: The district is prepared to partner with neighboring Districts as in the past.							

No Photos

LM Start		Rating **	A	Issue No.	35		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				o		o
					o		o
DWR ID	DWR_RD0554_01_f_2014_35						
Action/Comments							
Inspector Comments: The district has the O&M Manual on hand.							

No Photos

LM Start		Rating **	A	Issue No.	36	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Emergency Supplies & Equipment				°	
					°	
DWR ID	DWR_RD0554_01_f_2014_36					
Action/Comments						
Inspector Comments: The district shares with neighboring district, RD 551.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.02	Rating **	M	Issue No.	38
LM End	0.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249553 °	38.249553 °
				-121.509954 °	-121.509954 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:43726
 DS_ID:18976
 EP_NO: N/A
 FS_HLM: 0.02
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Need to verify status of crossing with town of Locke.
 FIELD_STRUCT_DESC: Waterline of unknown diameter through the levee at unknown depth. Likely a 1 or 2-inch galvanized iron pipe.
 Crosses levee just south of concrete block pumphouse on WS shoulder and terminates at well house off LS toe. Gatevalve next to corner of pumphouse off LS toe. Drawings depicting approximate location available in PN: 12944.
 FS Date: 03/04/2015

LM Start	0.02	Rating **	M	Issue No.	38 (cont)
LM End	0.02	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_6078.jpg



Gatevalve at corner of pumphouse on LS toe.

Photo 2 of 3 : UCIP_FA_2015_6079.jpg



Pump over well inside pumphouse on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.02	Rating **	M	Issue No.	38 (cont)
LM End	0.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249553 °	38.249553
				-121.509954 °	-121.509954
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43726					
DS_ID:18976					
EP_NO: N/A					
FS_HLM: 0.02					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_6080.jpg



Pumphouse off LS toe.

LM Start	0.02	Rating **	U	Issue No.	39
LM End	0.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.249538 °	38.249538 °
				-121.509959 °	-121.509959 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43690					
DS_ID:20915					
EP_NO: 3360					
FS_HLM: 0.021					
Repair Type: Urgent					
Crossing Status: Not Found					
UCIP Comments: No markers found. Need to contact owner to determine status of crossing. Recommend having owner install markers per CVFPB Title 23 for active pressure line. Owner will need to coordinate with CVFPB.					
FIELD_STRUCT_DESC: Gas line along and through the levee, 3.5 feet below the crown. (Permit No. 3360-1962)					
FS Date: 03/04/2015					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.05	Rating **	M	Issue No.	32
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.249050 °	38.244872 °
				-121.509977 °	-121.511595 °
DWR ID	DWR_RD0554_01_f_2015_32				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: This section on the waterside has growth covering the fence at levee mile 0.05. The District has scheduled a crew to do some spraying next week 9-29-2015.					

Photo 1 of 1 : FA_2015_RD0554_176_32_20150924_00012.jpg



RD 554 levee mile 0.05 waterside slope.

LM Start	0.08	Rating **	U	Issue No.	40
LM End	0.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.248643 °	38.248643 °
				-121.509850 °	-121.509850 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42146 DS_ID:20946 EP_NO: 5607 FS_HLM: 0.062 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: No markers. Valves abandoned on landward side-- need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: Abandoned three 4-inch steel petroleum pipes through the levee, 22.5 feet below the crown. Pipes placed in 8-inch pipe casing through the levee and plugged with concrete. Abandoned under Permit No. 5607 (1966). FS Date: 03/12/2014					

Photo 1 of 1 : UCIP_FA_2015_4251.jpg



Valves located on landward side.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.10	Rating **	U	Issue No.	11
LM End	0.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.248262 °	38.248262 °
				-121.509901 °	-121.509901 °
DWR ID	DWR_RD0554_01_s_2014_11				

Action/Comments

Note and monitor erosion site.

Inspector Comments: This is not a new erosion site, repairs are needed. One tree has fallen into the Sac River at the erosion site. This site can be seen better from the river by boat. The wild grapes blocks the view from the waterside shoulder looking down the slope.

Photo 1 of 1 : FA_2015_RD0554_176_11_20150915_00003.jpg



Erosion on waterside toe dead tree fallen at erosion site.

LM Start	0.26	Rating **	M	Issue No.	1
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.246222 °	38.245017 °
				-121.510878 °	-121.511740 °
DWR ID					

Action/Comments

Inspector Comments: 2009 - Tension cracks on road on top of levee. Erosion into the levee slope and mass failure. 2013 - Short vertical sections at bank toe. 2015: No observed changes. [2015 Site ID: SAC_27-0_L]

Photo 1 of 2 : USACE2013A_SAC_27-0_L_6.jpg



USACE 2013 Photo #1

LM Start	0.26	Rating **	M	Issue No.	1 (cont)
LM End	0.36	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : USACE2013A_SAC_27-0_L_8.jpg



USACE 2013 Photo #2

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.26	Rating **	M	Issue No.	41
LM End	0.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.246093 °	38.246093 °
				-121.510731 °	-121.510731 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32018					
DS_ID:20897					
EP_NO: N/A					
FS_HLM: 0.25					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

LM Start	0.26	Rating **	M	Issue No.	41 (cont)
LM End	0.26	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_4252.jpg



Concrete face no outlet visible on waterward side.

Photo 2 of 3 : UCIP_FA_2015_4253.jpg



Concrete vault located on waterward side. Site is a erosion repair site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.26	Rating **	M	Issue No.	41 (cont)
LM End	0.26	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.246093 °	38.246093 °
				-121.510731 °	-121.510731 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32018					
DS_ID:20897					
EP_NO: N/A					
FS_HLM: 0.25					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_4257.jpg



Concrete U wall located on waterward side.

LM Start	0.32	Rating **	U	Issue No.	13
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.245389 °	38.245389
				-121.511085 °	-121.511085
DWR ID	DWR_RD0554_01_s_2014_13				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: The District has scheduled repairs this season.					

Photo 1 of 1 : FA_2015_RD0554_176_13_20150928_00015.jpg



This erosion along the landside levee slope is not new, it was reported two years ago.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.33	Rating **	U	Issue No.	42
LM End	0.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.245295 °	38.245295 °
				-121.511274 °	-121.511274 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:42144
 DS_ID:20932
 EP_NO: N/A
 FS_HLM: 0.312
 Repair Type: Urgent
 Crossing Status: Indicator Found
 UCIP Comments: No markers found. Need to contact owner to determine status of crossing. Unable to confirm if crossings are still active or if they cross levee.
 FIELD_STRUCT_DESC: 2 of 3: 3-inch steel fuel line through the levee, 2.7 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 27.20).
 FS Date: 03/12/2014

Photo 1 of 1 : UCIP_FA_2015_3660.jpg



Fuel tank located on landward side.

LM Start	0.33	Rating **	U	Issue No.	43
LM End	0.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.245295 °	38.245295 °
				-121.511274 °	-121.511274 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:42145
 DS_ID:20933
 EP_NO: N/A
 FS_HLM: 0.313
 Repair Type: Urgent
 Crossing Status: Indicator Found
 UCIP Comments: No markers. Need to contact owner to determine status of crossing. Unable to confirm if crossings are still active or if they cross levee.
 FIELD_STRUCT_DESC: 3 of 3: 3-inch steel fuel line through the levee, 2.7 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 27.20).
 FS Date: 03/12/2014

Photo 1 of 1 : UCIP_FA_2015_3661.jpg



Fuel tank located on landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.33	Rating **	U	Issue No.	44
LM End	0.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.245295 °	38.245295 °
				-121.511274 °	-121.511274 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:42143
DS_ID:20922
EP_NO: N/A
FS_HLM: 0.311
Repair Type: Urgent
Crossing Status: Indicator Found
UCIP Comments: No markers found. Need to contact owner to determine status of crossing. Unable to confirm if crossings are still active or if they cross levee.
FIELD_STRUCT_DESC: 1 of 3: 3-inch steel fuel line through the levee, 2.7 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 27.20).
FS Date: 03/12/2014

Photo 1 of 1 : UCIP_FA_2015_3659.jpg



Tank found on landward side.

LM Start	0.35	Rating **	M	Issue No.	45
LM End	0.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.245038 °	38.245038 °
				-121.511473 °	-121.511473 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:43694
DS_ID:20899
EP_NO: 5429
FS_HLM: 0.332
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Signs of open cut along crossing--no markers visible on waterward or landward side. Large across channel on right bank berm indicating cable through levee.
FIELD_STRUCT_DESC: Four 4-inch iron conduits through the levee, at various depths below the crown (3.0-4.9 feet). Each conduit encases a shielded telephone cable. Concrete cutoff wall around pipes on landward levee shoulder. Riser pole off the landward levee toe. (Permit No. 5429-1967) Replacement telephone conduits were pulled through iron conduits under Permit No. 13417 (1983).
FS Date: 03/04/2015

Photo 1 of 3 : UCIP_FA_2015_4198.jpg



Signs of cut through levee at conduit.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.35	Rating **	M	Issue No.	45 (cont)
LM End	0.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.245038 °	38.245038 °
				-121.511473 °	-121.511473 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43694 DS_ID:20899 EP_NO: 5429 FS_HLM: 0.332 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Signs of open cut along crossing--no markers visible on waterward or landward side. Large across channel on right bank berm indicating cable through levee. FIELD_STRUCT_DESC: Four 4-inch iron conduits through the levee, at various depths below the crown (3.0-4.9 feet). Each conduit encases a shielded telephone cable. Concrete cutoff wall around pipes on landward levee shoulder. Riser pole off the landward levee toe. (Permit No. 5429-1967) Replacement telephone conduits were pulled through iron conduits under Permit No. 13417 (1983). FS Date: 03/04/2015					

Photo 2 of 3 : UCIP_FA_2015_4215.jpg



Signs for conduits visible on right bank across channel. Conduits cross left bank, channel, and right bank.

Photo 3 of 3 : UCIP_FA_2015_4413.jpg



View of waterside from landside shoulder. Cuts in pavement indicate presence of pipe trench across levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.36	Rating **	A/W	Issue No.	15
LM End	0.37	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244872 °	38.244833
				-121.511600 °	-121.511673
DWR ID	DWR_RD0554_01_s_2014_15				
Action/Comments					
Environmental Requirements.					
Inspector Comments: Veg. Site.					

No Photos

LM Start	0.52	Rating **	M	Issue No.	46
LM End	0.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.243057 °	38.243057 °
				-121.513236 °	-121.513236 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43736 DS_ID:20938 EP_NO: 11155 FS_HLM: 0.504 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Multiple crossings at same location--unable to confirm if crossing matches details under permit 11155. Need to contact owner to obtain additional information about crossing status. FIELD_STRUCT_DESC: 3 of 3: 6-inch pipe through the levee, 10.5 feet below the crown. Pipe retained under ABO No. 11155 (1975).Pipe originally included in O+M manual, 1959, at RM 26.75. Fire hydrant on WS shoulder and valve in cut visible in roadway. Electrical utility box on LS shoulder. Electrical lines visible on WS at ramp. FS Date: 03/05/2015					

Photo 1 of 2 : UCIP_FA_2015_4218.jpg



Crossings visible on waterward shoulder.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.52	Rating **	M	Issue No.	46 (cont)	
LM End	0.52	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.243057 °	38.243057 °	
				-121.513236 °	-121.513236 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:43736 DS_ID:20938 EP_NO: 11155 FS_HLM: 0.504 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Multiple crossings at same location--unable to confirm if crossing matches details under permit 11155. Need to contact owner to obtain additional information about crossing status. FIELD_STRUCT_DESC: 3 of 3: 6-inch pipe through the levee, 10.5 feet below the crown. Pipe retained under ABO No. 11155 (1975).Pipe originally included in O+M manual, 1959, at RM 26.75. Fire hydrant on WS shoulder and valve in cut visible in roadway. Electrical utility box on LS shoulder. Electrical lines visible on WS at ramp. FS Date: 03/05/2015						

Photo 2 of 2 : UCIP_FA_2015_4219.jpg



View of multiple crossings through levee.

LM Start	0.52	Rating **	M	Issue No.	47
LM End	0.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.243057 °	38.243057 °
				-121.513236 °	-121.513236 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43734 DS_ID:20901 EP_NO: 11155 FS_HLM: 0.501 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Multiple crossings at same location--unable to confirm if crossing matches details under permit 11155. Need to contact owner to obtain additional information about crossing status. FIELD_STRUCT_DESC: 1 of 3: 6-inch pipe through the levee, 5.5 feet below the crown. Pipe retained under ABO No. 11155 (1975). Pipe originally included in O+M manual, 1959, at RM 26.75. Fire hydrant on WS shoulder and valve in cut visible in roadway. Electrical utility box on LS shoulder. Electrical lines visible on WS at ramp. FS Date: 03/12/2014					

Photo 1 of 2 : UCIP_FA_2015_4216.jpg



Lines visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.52	Rating **	M	Issue No.	47 (cont)
LM End	0.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.243057 °	38.243057 °
				-121.513236 °	-121.513236 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:43734
DS_ID:20901
EP_NO: 11155
FS_HLM: 0.501
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Multiple crossings at same location--unable to confirm if crossing matches details under permit 11155. Need to contact owner to obtain additional information about crossing status.
FIELD_STRUCT_DESC: 1 of 3: 6-inch pipe through the levee, 5.5 feet below the crown. Pipe retained under ABO No. 11155 (1975). Pipe originally included in O+M manual, 1959, at RM 26.75. Fire hydrant on WS shoulder and valve in cut visible in roadway. Electrical utility box on LS shoulder. Electrical lines visible on WS at ramp.
FS Date: 03/12/2014

Photo 2 of 2 : UCIP_FA_2015_4217.jpg



Multiple lines through levee crown visible on waterward shoulder.

LM Start	0.52	Rating **	M	Issue No.	48
LM End	0.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.243057 °	38.243057 °
				-121.513236 °	-121.513236 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:43735
DS_ID:20937
EP_NO: 11155
FS_HLM: 0.502
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Multiple crossings at same location--unable to confirm if crossing matches details under permit 11155. Need to contact owner to obtain additional information about crossing status.
FIELD_STRUCT_DESC: 2 of 3: 6-inch pipe through the levee, 5.5 feet below the crown. Pipe retained under ABO No. 11155 (1975). Pipe originally included in O+M manual, 1959, at RM 26.75. Fire hydrant on WS shoulder and valve in cut visible in roadway. Electrical utility box on LS shoulder. Electrical lines visible on WS at ramp.
FS Date: 03/05/2015

Photo 1 of 2 : UCIP_FA_2015_4220.jpg



Crossings visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.52	Rating **	M	Issue No.	48 (cont)
LM End	0.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.243057 °	38.243057 °
				-121.513236 °	-121.513236 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:43735
 DS_ID:20937
 EP_NO: 11155
 FS_HLM: 0.502
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Multiple crossings at same location--unable to confirm if crossing matches details under permit 11155. Need to contact owner to obtain additional information about crossing status.
 FIELD_STRUCT_DESC: 2 of 3: 6-inch pipe through the levee, 5.5 feet below the crown. Pipe retained under ABO No. 11155 (1975). Pipe originally included in O+M manual, 1959, at RM 26.75. Fire hydrant on WS shoulder and valve in cut visible in roadway. Electrical utility box on LS shoulder. Electrical lines visible on WS at ramp.
 FS Date: 03/05/2015

Photo 2 of 2 : UCIP_FA_2015_4221.jpg



Multiple crossing visible on waterward shoulder.

LM Start	0.60	Rating **	M	Issue No.	49
LM End	0.60	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242101 °	38.242101 °
				-121.514086 °	-121.514086 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:32020
 DS_ID:20912
 EP_NO: 11154
 FS_HLM: 0.581
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Unable to confirm if this pipe section is the same one listed under 11154. Need to contact owner to determine status and obtain additional information about crossing.
 FIELD_STRUCT_DESC: 8-inch pipe through the levee, 9.8 feet below the crown. Pump on LS toe. Included in O+M manual at RM 26.66. Pipe retained under ABO No. 11154 (1975).
 FS Date: 03/12/2014

Photo 1 of 1 : UCIP_FA_2015_4258.jpg



Steel pipe filled with concrete visible on landward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

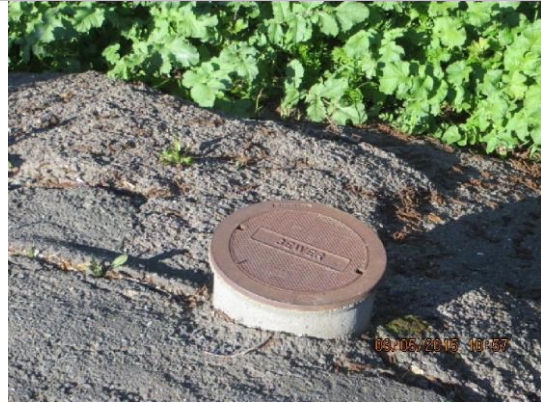
Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.64	Rating **	M	Issue No.	50
LM End	0.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241550 °	38.241550 °
				-121.514535 °	-121.514535 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43805 DS_ID:25080 EP_NO: N/A FS_HLM: 0.626 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit found. Further investigation required. FIELD_STRUCT_DESC: 4-inch Cast iron Sewer pipe through the levee at an unknown depth. Pipe visible on bridge. Sewer cleanout on WS shoulder and cut in pavement visible in roadway. (Permit No. 870, 1941) FS Date: 03/05/2015					

LM Start	0.64	Rating **	M	Issue No.	50 (cont)
LM End	0.64	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_6098.jpg



Sewer cleanout on WS shoulder.

Photo 2 of 3 : UCIP_FA_2015_6099.jpg



Pipe visible at bridge on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.64	Rating **	M	Issue No.	50 (cont)
LM End	0.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241550 °	38.241550 °
				-121.514535 °	-121.514535 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43805					
DS_ID:25080					
EP_NO: N/A					
FS_HLM: 0.626					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_6100.jpg



Cut in pavement at pipe alignment.

LM Start	0.65	Rating **	A/W	Issue No.	4
LM End	0.82	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241503 °	38.239527 °
				-121.514579 °	-121.516441 °
DWR ID	DWR_RD0554_01_s _ 2012_4				
Action/Comments					
Environmental Requirements.					
Inspector Comments: Revegetation site.					

No Photos

LM Start	0.77	Rating **	U	Issue No.	20
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.240128 °	38.239630 °
				-121.515974 °	-121.516418 °
DWR ID	DWR_RD0554_01_s _ 2014_20				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Woody growth of trees has blocked the view of this levee section.					

Photo 1 of 1 : FA_2015_RD0554_176_20_20150924_00013.jpg



Woody tree growth on the landside shoulder and slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.82	Rating **	M	Issue No.	33
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239527 °	38.235337 °
				-121.516440 °	-121.517170 °
DWR ID	DWR_RD0554_01_f_2015_33				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: There is weed growth on the waterside levee slope, the District has scheduled to have the vegetation sprayed.					

No Photos

LM Start	0.87	Rating **	U	Issue No.	37
LM End	0.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.238910 °	38.238910 °
				-121.516945 °	-121.516945 °
DWR ID	DWR_RD0554_01_f_2015_37				
Action/Comments					
Fence					
Inspector Comments: This is a unauthorized encroachment.					

Photo 1 of 1 : FA_2015_RD0554_176_37_20150924_00014.jpg



There is no permit for this fence along the landside shoulder.

LM Start	0.88	Rating **	M	Issue No.	10
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238619 °	38.237930 °
				-121.516862 °	-121.516812 °
DWR ID	DWR_RD0554_01_s_2014_10				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: There are young trees along the landside levee slope that need to be removed and some need to be trimmed that are blocking visibility or access to the levee section.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.89	Rating **	M	Issue No.	51
LM End	0.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238595 °	38.238595 °
				-121.516945 °	-121.516945 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:32022 DS_ID:20942 EP_NO: N/A FS_HLM: 0.872 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm how many sewer lines cross levee. Desk study shows 2 crossings 4-inch not 6 inch. Need to contact owner to confirm status of crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch clay sewer pipe through the levee, 10.2 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 26.50). FS Date: 03/12/2014					

LM Start	0.89	Rating **	M	Issue No.	51 (cont)
LM End	0.89	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_4262.jpg



View of landward shoulder--USA marker.

Photo 2 of 3 : UCIP_FA_2015_4263.jpg



View of levee crown.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.89	Rating **	M	Issue No.	51 (cont)
LM End	0.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238595 °	38.238595
				-121.516945 °	-121.516945
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32022					
DS_ID:20942					
EP_NO: N/A					
FS_HLM: 0.872					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 3 of 3 : UCIP_FA_2015_4264.jpg



Underground service alert (USA) marker on waterward shoulder for sewer line.

LM Start	0.89	Rating **	M	Issue No.	52
LM End	0.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238595 °	38.238595 °
				-121.516945 °	-121.516945 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:32021 DS_ID:20941 EP_NO: N/A FS_HLM: 0.871 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm how many sewer lines cross levee. Desk study shows 2 crossings 4-inch not 6 inch. Need to contact owner to confirm status of crossing. FIELD_STRUCT_DESC: 1 of 2: 4-inch clay sewer pipe through the levee, 10.2 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 26.50). FS Date: 03/12/2014					

Photo 1 of 3 : UCIP_FA_2015_4259.jpg



View of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.89	Rating **	M	Issue No.	52 (cont)
LM End	0.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238595 °	38.238595 °
				-121.516945 °	-121.516945 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:32021
 DS_ID:20941
 EP_NO: N/A
 FS_HLM: 0.871
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Unable to confirm how many sewer lines cross levee. Desk study shows 2 crossings 4-inch not 6 inch. Need to contact owner to confirm status of crossing.
 FIELD_STRUCT_DESC: 1 of 2: 4-inch clay sewer pipe through the levee, 10.2 feet below the crown. (USACE-1959). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (RM 26.50).
 FS Date: 03/12/2014

LM Start	0.89	Rating **	M	Issue No.	52 (cont)
LM End	0.89	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_4260.jpg



Underground service alert (USA) markers confirming sewer line.

Photo 3 of 3 : UCIP_FA_2015_4261.jpg



View of USA marker on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.89	Rating **	M	Issue No.	53
LM End	0.89	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238510 °	38.238510 °
				-121.516948 °	-121.516948 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43804					
DS_ID:25081					
EP_NO: N/A					
FS_HLM: 0.88					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					

Photo 1 of 3 : UCIP_FA_2015_6101.jpg



USAA SS marking on LS shoulder.

LM Start	0.89	Rating **	M	Issue No.	53 (cont)
LM End	0.89	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_6102.jpg



USAA SS marking on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.89	Rating **	M	Issue No.	53 (cont)	
LM End	0.89	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.238510 °	38.238510 °	
				-121.516948 °	-121.516948 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:43804						
DS_ID:25081						
EP_NO: N/A						
FS_HLM: 0.88						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						

Photo 3 of 3 : UCIP_FA_2015_6103.jpg



Alignment through center of driver on LS shoulder.

LM Start	0.92	Rating **	U	Issue No.	54
LM End	0.92	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.238126 °	38.238126 °
				-121.516908 °	-121.516908 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43806 DS_ID:20943 EP_NO: 2321 FS_HLM: 0.904 Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: Pipe leak at landside toe 23-ft upstream from pumphouse on LS toe. FIELD_STRUCT_DESC: 1.0-inch steel domestic water pipe through the levee, 1.5 feet below the crown. Shut off valve on the waterward side and at the pumphouse downstream 170-feet on LS toe. (Permit No. 2321-1957). Pump in pumphouse on LS toe. an additional 1.5-inch galvanized iron drinking water pipe runs from pumphouse along LS toe parallel to levee. FS Date: 03/05/2015					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	0.99	Rating **	M	Issue No.	6
LM End	0.99	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.237108 °	38.237108 °
				-121.516743 °	-121.516743 °
DWR ID	DWR_RD0554_01_s _ 2012_6				
Action/Comments					
Building					

No Photos

LM Start	1.09	Rating **	M	Issue No.	55
LM End	1.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.235743 °	38.235743 °
				-121.517032 °	-121.517032 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43810 DS_ID:25083 EP_NO: N/A FS_HLM: 1.071 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for crossing. Further investigation required. FIELD_STRUCT_DESC: Two 1-inch conduits through the levee 1-foot below the crown. Valves appear to be installed on LS shoulder. Dock on WS slope. FS Date: 03/05/2015					

Photo 1 of 3 : UCIP_FA_2015_6104.jpg



Pipes visible at LS shoulder next to driveway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	1.09	Rating **	M	Issue No.	55 (cont)	
LM End	1.09	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.235743 °	38.235743 °	
				-121.517032 °	-121.517032 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:43810 DS_ID:25083 EP_NO: N/A FS_HLM: 1.071 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for crossing. Further investigation required. FIELD_STRUCT_DESC: Two 1-inch conduits through the levee 1-foot below the crown. Valves appear to be installed on LS shoulder. Dock on WS slope. FS Date: 03/05/2015						

Photo 2 of 3 : UCIP_FA_2015_6105.jpg



Pipes and valves visible on LS shoulder.

Photo 3 of 3 : UCIP_FA_2015_6106.jpg



Possible outlet on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	1.11	Rating **	M	Issue No.	56
LM End	1.11	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.235429 °	38.235429 °
				-121.517169 °	-121.517169 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43747 DS_ID:20930 EP_NO: N/A FS_HLM: 1.093 Repair Type: Non-Urgent Crossing Status: Found					

Photo 1 of 1 : UCIP_FA_2015_6081.jpg



Abandoned pipe was exposed on WS slope when a trench was opened to repair the other 8-inch pipe at the site.

LM Start	1.11	Rating **	M	Issue No.	57
LM End	1.11	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.235422 °	38.235422 °
				-121.517172 °	-121.517172 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43748 DS_ID:20911 EP_NO: 5023 FS_HLM: 1.094 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe in open trench on WS slope and exposed on LS shoulder. Pipe repair on WS may indicate problem with pipe. Pipe missing air releif valve on LS shoulder. Distribution box on LS toe abandoned. FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.4 feet below the crown. Cutoff wall around center of pipe. Air-relief valve on landward levee shoulder. Pump on waterward slope. Concrete distribution box on LS toe (Permit No. 5023-1965). FS Date: 03/05/2015					

Photo 1 of 3 : UCIP_FA_2015_6082.jpg



Pipe exposed on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0554 Walnut Grove

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	1.13	09/24/2015 09/24/2015	Herman Phillips

LM Start	1.11	Rating **	M	Issue No.	57 (cont)
LM End	1.11	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.235422 °	38.235422 °
				-121.517172 °	-121.517172 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:43748
 DS_ID:20911
 EP_NO: 5023
 FS_HLM: 1.094
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pipe in open trench on WS slope and exposed on LS shoulder. Pipe repair on WS may indicate problem with pipe. Pipe missing air relief valve on LS shoulder. Distribution box on LS toe abandoned.
 FIELD_STRUCT_DESC: 8-inch steel pipe through the levee, 2.4 feet below the crown. Cutoff wall around center of pipe. Air-relief valve on landward levee shoulder. Pump on waterward slope. Concrete distribution box on LS toe (Permit No. 5023-1965).
 FS Date: 03/05/2015

LM Start	1.11	Rating **	M	Issue No.	57 (cont)
LM End	1.11	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_6083.jpg



Pipe exposed on WS slope. pump, shutoff valve, and meter on pole on WS slope.

Photo 3 of 3 : UCIP_FA_2015_6084.jpg



Pipe in open trench on WS slope. Repair patch on pipe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	